Characterization of acrylic acid sulfur dioxide copolymers by carbon-13 NMR spectroscopy. Wazeer, M. I. M.; Ali, Sk. A.; Tsonis, C. P. Chem. Dep., King Fahd Univ. Pet. Miner., Dhahran, Saudi Arabia. Journal of Polymer Science, Part B: Polymer Physics (1988), 26(7), 1539-43.

Abstract

13C-NMR of acrylic acid (A)-SO2 (S) random copolymers prepd. at low temps. in various solvents allowed detn. of the probability of occurrence of the 5 possible triad structures in the polymer chain. For copolymers prepd. in DMF, the order and probability of occurrence of the triads were AAA, .55; AAS, 0.15; SAA, 0.15; ASA, 0.15; and SAS, 0.00.